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MERL-1510

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
Vetro et al.

:  
: Art Unit: 2186

Serial No: 10/776,062

:  
: Examiner: Unknown

Filed: February 11, 2004

Title: RATE-DISTORTION MODELS FOR ERROR RESILIENT VIDEO  
TRANSCODING

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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
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Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

X 1.97(b) This Information Disclosure Statement is filed:

- (1) Within three months of the filing date of a national application; OR
- (2) Within three months of the date of entry of the national stage of an international application; OR
- (3) Before the mailing of a first Office Action on the merits.

No fee or certification is required.

   1.97(c) This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

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\_\_\_\_\_ the Certification under 37 CFR  
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— no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing date of this Statement.

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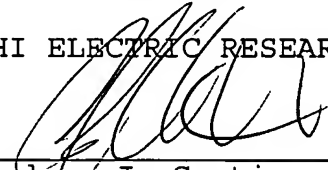
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Respectfully submitted,

mitsubishi electric research laboratories

By:

  
\_\_\_\_\_  
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Enclosures

Form PTO-1449  
(modified 2/91)U.S. DEPT OF COMMERCE  
Patent and Trademark OfficeAttorney Docket Number:  
MERL-1510Serial Number:  
10/776,062**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Applicant:  
Vetro et al.Filing date:  
February 11, 2004

Group art area:

**U.S. PATENT DOCUMENTS**

Examiner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate

**FOREIGN PATENT DOCUMENTS**

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

1.	Cote, et al., "Optimal mode selection and synchronization for robust video communications over error-prone networks," IEEE Journal on Selected Areas in Communications, vol. 18, no. 6, pp. 952-965, 2000.
2.	Dogan, "Error-resilient video transcoding for robust inter-network communications using GPRS," IEEE Transactions on Circuits and Systems for Video Technology, vol. 12, no. 6, pp. 453-464, 2002.
3.	Zhang, et al., "Video coding with optimal inter/intra-mode switching for packet loss resilience," IEEE Journal on Selected Areas in Communications, vol. 18, no. 6, pp. 966-976, 2000.
4.	Bertsekas, "Projected Newton methods for optimization problems with simple constraints," Tech. Rep. LIDS R-1025, MIT, Cambridge, MA, 1980.
5.	Reyes, et al. "Error-resilient transcoding for video over wireless channels," IEEE Journal on Selected Areas in Communications," vol. 18, no. 6, pp. 1063-1074, 2000
6.	Reibman et al., "Low-complexity quality monitoring of MPEG-2 video in a network," in Proceedings IEEE International Conference on Image Processing, September 2003

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP .609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.